



CAIT

Center for Advanced Infrastructure & Transportation
Rutgers, The State University of New Jersey

NJDOT Bureau of Research
QUARTERLY PROGRESS REPORT

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| Project Title: | New Jersey Local Congestion, Safety, & Security Initiative | | |
| RFP NUMBER: | NJDOT RESEARCH PROJECT MANAGER: Nazhat Aboobaker/ Patty Leech | | |
| TASK ORDER NUMBER: Task Order No. 132/4-26993 | PRINCIPAL INVESTIGATOR: Ali Maher/Joe Orth/Claudia Knezek/Carol Greenberg | | |
| Project Starting Date: 12/11/2002 Original Project Ending Date: 3/31/2005 Modified Completion Date: | Period Covered: First Quarter, 2005 | | |

| Task | % of Total | % of Task this quarter | % of Task to date | % of Total Complete |
|---|------------|---------------------------|----------------------|------------------------|
| 1.1 MPO Forum Study | 5 | 0 | 100 | 5 |
| 1.2 Present NJDOT/FHWA | 5 | 25 | 100 | 5 |
| 2.1 Survey Report | 20 | 0 | 100 | 20 |
| 3.1 Crash Data Training | 10 | 0 | 100 | 10 |
| 3.2 Safety Conscious Planning Forum | 10 | 0 | 100 | 10 |
| 3.3 SCP Local Forums | 20 | 50 | 100 | 20 |
| 3.4 Official Conference Proceedings | 5 | 0 | 100 | 5 |
| 3.5 Promote Congestion Mitigation Locally | 10 | 0 | 100 | 10 |
| 3.6 Introduce ITS Concepts | 5 | 0 | 100 | 5 |
| 3.7 Provide Public Safety Training | 5 | 0 | 100 | 5 |
| Final Report | 5 | 5 | 80 | 4 |
| | | | | |
| TOTAL | 100% | | | 99% |

Project Objectives: Rutgers CAIT-LTAP will facilitate a clearinghouse partnership between the FHWA-NJ Division, NJDOT, county, and local governments for the following purposes:

1. Promoting local best practices that relate to Safety Conscious Planning
2. Supporting Safety Awareness that results in the reduction of roadway fatalities, development of a uniform resource dissemination system, and the creation of a statewide SCP Forum Network
3. Introducing SCP that enables locals to collect more accurate traffic data for responding to critical safety needs.
4. Training municipalities on preventing crashes on local roadways.
5. Identifying roles of local governments in emergency preparedness, as it relates to Safety Conscious Planning.

Project Abstract: The New Jersey Congestion, Safety, and Security Initiative was developed to support the FHWA's "vital few" strategic goals on local roadways through the provision of training outreach, coordination of information dissemination, and the development of a statewide network that values roadway safety as a major priority. In New Jersey, traffic volumes have impacted the mobility and safe travel of motorists on the state, county, as well as local roadway systems. This widespread congestion has increased the number of crashes and incidents each year, which also affects security and incident management initiatives. The national Safety Conscious Planning Model is being implemented at all levels of government, in order to support the improvement of roadway safety. A statewide Safety Forum is being organized through the Metropolitan Planning Organizations with Rutgers CAIT-LTAP providing specialized training in the use of crash data and roadway inventories. These tools and other technologies have been effective for implementing cost effective countermeasure treatments that improve local roadways where nearly 50% of all crashes occur annually.



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1. Progress this quarter by task:

| Task | Description |
|--|---|
| 1.1 MPO Forum Study | Draft SCP Action Plan Report Draft SCP Countywide Forum Report for Delaware Valley Regional Planning Commission (1/05) |
| 2.1 Survey Report | |
| 3.1 Crash Data Training | Participated in the following NJTR-1/Police Manual Meetings: |
| 3.2 Safety Conscious Planning Forum | – Prepared Draft SCP Action Plan Report 2/3/05 – SCP Core Group Meeting 3/17/05 – SCP Core Group Meeting |
| 3.3 Safety Conscious Planning Local Forums | Coordinated Metropolitan Planning Organization, North Jersey Transportation Planning Authority's (NJTPA's) 1 st Regional SCP Forum (2/14/05) |
| 3.4 Official Conference Proceedings | Burlington/Mercer & Gloucester/Camden Reports (1/05) |
| 3.5 Promote Congestion Mitigation Locally | |
| 3.6 Introduce ITS Concepts | 2/15/05 - Developed Website for NJTPA SCP Local Forum - PowerPoint Presentations online |
| 3.7 Provide Public Safety Training | 1/28 & 2/18 – Introduced Garrett Morgan Academy (GMA) H.S. Junior & Senior Classes to the Incident Management Control Program at NJDOT Traffic Operations Center-North (Elmwood Park, NJ) |

2. Proposed activities for next quarter by task:

| Task | Proposed Activities |
|---|---|
| 1.1 MPO Forum Study | Finalize SCP Action Plan |
| 3.1 Crash Data Training | Continue to review NJTR-1 & organize training (Duplication of effort with PTAP Program) |
| 3.2 Safety Conscious Planning Forum | Develop Website Review for local use (Morris, Union, Essex Counties) Finalize Action Plan report |
| 3.3 Safety Conscious Planning Local Forum | Coordinate local workshop for North Jersey Transportation Authority (NJTPA) – (May 2005) |
| 3.5 Promote Congestion Mitigation Locally | |
| 3.6 Introduce ITS Concepts | |
| 3.7 Provide Public Safety Training | |



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| Final Report | Integrate Results of Quarterly Reports into Final Format |
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3. List of deliverables provided in this quarter by task (product date):

| Task | Deliverables | Item/Date |
|--|--|--|
| 1.1 MPO Forum Study | LTAP Library of Publications | <p>“Rutgers CAIT-LTAP to Coordinate NJTPA’s 1st Regional SCP Forum” – CAIT-LTAP Newsletter (1/05)</p> <p>“Commonalities between congestion, safety, and security” CAIT-LTAP Newsletter (2/05)</p> <p>“NJTPA Safety Survey: The Results Are In!” – CAIT-LTAP Newsletter (3/05)</p> |
| 2.1 Survey Report | LTAP Library of Publications | |
| 3.1 Crash Data Training | Distribute Technical Information | Participated in the following NJTR-1/Police Manual Meetings: |
| 3.2 Safety Conscious Planning Forum | Distribution of Technical Information | <p>2/3/05 - SCP Core Group Meeting</p> <p>3/17/05 – SCP Core Group Meeting</p> |
| 3.3 Safety Conscious Planning Local Forums | <p>Distribution of Technical Information</p> <p>Produced SCP promotional materials</p> | <p>Safety Solutions books at NJTPA Local Forum (2/14/05)</p> <p>NJTPA Agenda & Registration Forms</p> |
| 3.5 Promote Congestion Mitigation Locally | <p>Distribution of Technical Information</p> <p>Created Website for Local use</p> | <p>Safety Solutions books at NJTPA Local Forum (2/14/05)</p> <p>2/15/05 - NJTPA SCP Local Forum PowerPoint presentations online</p> |
| 3.6 Introduce ITS Concepts | Distribution of Technical Information | Safety Solutions books at NJTPA Local Forum (2/14/05) |
| 3.7 Provide Public Safety Training | Tour NJDOT Traffic Operations Center (TOC)-North | Introduced GMA Junior & Senior classes to NJDOT’s Incident Management Control Program (1/28 & 2/18) |



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4. Progress on Implementation and Training Activities:

| Training | Description |
|--|---|
| 3.1 Crash Data Training | Participated in the following NJTR-1/Police Manual Meetings: - GIS/GPS Integration Meeting - Revision of NJTR-1 - Revision of NJTR-1 |
| 3.2 Safety Conscious Planning Forum | - SCP Draft Action Plan Report |
| 3.3 Safety Conscious Planning Local Forums | 02/14/05 – NJTPA SCP Local Forum |
| 3.7 Provide Public Safety Training | 1/28 & 2/18 NJDOT TOC-North with GMA Junior & Senior classes |

5. Problems/Proposed Solutions: At the February 3rd SCP Core Group Meeting it was recommended by Bill Beans, SCP Committee Chairman, that a “data mining” meeting be scheduled sometime in early March to discuss what is currently happening with the data and how each MPO can use the data for analysis of their respective counties and municipalities. Participants will include NJDOT, MPOs, Local Aid and Rutgers TSRC.

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|------------------------------------|-----------|
| Total Project Budget | \$732,887 |
| Modified Contract Amount: | \$732,887 |
| Total Project Expenditure to date | \$717,007 |
| % of Total Project Budget Expended | 98% |

* These are approximate expended amounts for the project; these estimates are for reference only and should not be used for official accounting purposes. For a more accurate project accounting please review the quarterly invoice for this project.